

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	17	(US-20030196113-\$ or US-20030026423-\$ or US-20020146125-\$ or US-20020059642-\$ or US-20020157115-\$ or US-20030059047-\$ or US-20030172034-\$ or US-20030212895-\$ or US-20040221302-\$).did. or (US-6898285-\$ or US-6637027-\$ or US-6108422-\$ or US-6091818-\$ or US-5796829-\$ or US-6040851-\$ or US-6289455-\$ or US-6628891-\$). did.	US-PGPUB; USPAT	AND	ON	2007/09/26 16:20
L2	7	I1 (power\$4 or batter\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/09/26 16:21
S52	454	726/2.ccis.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/11/07 17:13
S53	47575	"726".clas. or "713".clas. or "380". clas.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/11/07 17:13
S54	113	CANDELORE-BRANT-L.in. DEROVANESSIAN-HENRY.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/07 17:13
S55	11	CANDELORE-BRANT-L.in. DEROVANESSIAN-HENRY.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/11/07 17:13

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S56	8	S55 @ad<"20030512"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/11/07 17:13
S57	83	S54 @ad<"20030512"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/11/07 17:13
S58	53	S54 @ad<"20020512"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/11/07 17:13
S59	0	S55 @ad<"20020512"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/11/07 17:13
S60	5	(((condition\$4 near2 access\$2) or CA) same (common\$2 near4 interfac\$4 near modul\$3) or (cable\$2 adj2 card\$2)) ((servic\$3 near3 provide\$4) or (Terrestria\$4 near4 broadcaste\$4) or (cabl\$3 near3 operato\$4) or (direc\$4 near4 broadcas\$4 near4 satellit\$3) or (digita\$3 near3 conten\$3 near4 provide\$4)) ((Encrypt\$5 or decrypt\$5) or (Encod\$5 or decod\$5) or (encipher\$5 or decipher\$5) or (scrambl\$5 or descramb\$5)) ((Field\$3 near3 Programmab\$4 near4 Gate\$3 near4 Array\$4) or FPGA or (Programmabl\$3 near4 Logic\$3 near Device\$3) or PLD)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/11/07 17:13
S61	4	S60 @ad<"20030512"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/09/25 19:36

EAST Search History

S62	0	((condition\$4 near2 access\$2) or CA) (common\$2 near4 interfac\$4 near modul\$3) (cable\$2 adj2 card\$2) ((servic\$3 near3 provide\$4) or (Terrestria\$4 near4 broadcaste\$4) or (cabl\$3 near3 operato\$4) or (direc\$4 near4 broadcas\$4 near4 satellit\$3) or (digita\$3 near3 conten\$3 near4 provide\$4)) ((Encrypt\$5 or decrypt\$5) or (Encod\$5 or decod\$5) or (encipher\$5 or decipher\$5) or (scrambl\$5 or descramb\$5)) ((Field\$3 near3 Programmab\$4 near4 Gate\$3 near4 Array\$4) or FPGA or (Programmabl\$3 near4 Logic\$3 near Device\$3) or PLD)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/11/07 17:13
S63	6	((condition\$4 near2 access\$2) or CA) ((common\$2 near4 interfac\$4 near modul\$3) or (cable\$2 adj2 card\$2)) ((servic\$3 near3 provide\$4) or (Terrestria\$4 near4 broadcaste\$4) or (cabl\$3 near3 operato\$4) or (direc\$4 near4 broadcas\$4 near4 satellit\$3) or (digita\$3 near3 conten\$3 near4 provide\$4)) ((Encrypt\$5 or decrypt\$5) or (Encod\$5 or decod\$5) or (encipher\$5 or decipher\$5) or (scrambl\$5 or descramb\$5)) ((Field\$3 near3 Programmab\$4 near4 Gate\$3 near4 Array\$4) or FPGA or (Programmabl\$3 near4 Logic\$3 near Device\$3) or PLD)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/11/07 17:13
S64	4	S63 @ad<"20030512"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/11/07 17:13

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S65	1	((condition\$4 near2 access\$2) or CA) ((set-top\$3 adj3 box\$3) or (STB)or digiboxe\$3) ((common\$2 near4 interfac\$4 near modul\$3) or (cable\$2 adj2 card\$2)) ((servic\$3 near3 provide\$4) or (Terrestria\$4 near4 broadcaste\$4) or (cabl\$3 near3 operato\$4) or (direc\$4 near4 broadcas\$4 near4 satellit\$3) or (digita\$3 near3 conten\$3 near4 provide\$4)) ((Encrypt\$5 or decrypt\$5) or (Encod\$5 or decod\$5) or (encipher\$5 or decipher\$5) or (scrambl\$5 or descramb\$5)) ((Field\$3 near3 Programmab\$4 near4 Gate\$3 near4 Array\$4) or FPGA or (Programmabl\$3 near4 Logic\$3 near Device\$3) or PLD)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/11/07 17:13
S66	0	("2004/0228175").URPN.	USPAT	AND	ON	2006/11/07 17:13
S67	67	CableCARD\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/11/07 17:13
S68	67	CableCARD\$3.ti. CableCARD\$3.ab. CableCARD\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/07 17:13
S69	1	S68 @ad<"20030512"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/11/07 17:13
S70	67	CableCARD\$3.ti. CableCARD\$3.ab. CableCARD\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/07 17:13
S71	7	CableCARD\$3.ti.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/11/07 17:13

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S72	12	CableCARD\$3.ab.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/11/07 17:13
S73	196	((condition\$4 near2 access\$2) or CA) ((set-top\$3 adj3 box\$3) or (STB)or digibox\$3) ((servic\$3 near3 provide\$4) or (Terrestria\$4 near4 broadcاست\$4) or (cabl\$3 near3 operato\$4) or (direc\$4 near4 broadcas\$4 near4 satellit\$3) or (digita\$3 near3 conten\$3 near4 provide\$4)) ((Encrypt\$5 or decrypt\$5) or (Encod\$5 or decod\$5) or (encipher\$5 or decipher\$5) or (scrambl\$5 or descramb\$5)) ((Field\$3 near3 Programmab\$4 near4 Gate\$3 near4 Array\$4) or FPGA or (Programmabl\$3 near4 Logic\$3 near Device\$3) or PLD)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/11/07 17:13
S74	86	S73 @ad<"20020512"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/11/07 17:13
S75	4	S68 S73	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/11/07 17:13
S76	1	S75 @ad<"20030512"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/11/07 17:13

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S77	228	("20020046406" "20020059425" "20020083438" "20020108035" "20020129243" "20020150239" "20020170053" "20020194613" "20020196939" "20030021412" "20030026423" "20030046686" "20030063615" "20030081630" "20030081776" "20030097662" "20030123664" "20030123849" "20030133570" "20030145329" "20030152224" "20030152226" "20030156718" "20030159139" "20030159140" "20030159152" "20030174837" "20030198223" "20030226149" "20040003008" "20040047470" "20040049688" "20040049690" "20040049691" "20040049694" "20040078575" "20040123094" "20040139337" "20040165586" "20040187161" "3852519" "4381519" "4419693" "4521853" "4634808" "4700387" "4703351" "4703352" "4710811" "4722003" "4739510" "4772947" "4785361" "4788589" "4815078" "4845560" "4887296" "4890161" "4924310" "4944006" "4953023" "4995080" "5018197" "5023710" "5138659" "5142537" "5144662" "5159452" "5196931" "5208816" "5237424" "5241381" "5247575" "5258835" "5325432" "5327502" "5359694" "5379072" "5398078" "5416651" "5416847" "5420866" "5428403" "5434716" "5438369" "5455862" "5469216" "5471501" "5473692" "5481554" "5481627" "5485577" "5528608" "5535276" "5539823" "5539828" "5555305" "5561713" "5568552" "5574787" "5582470" "5583576" "5598214" "5600721" "5606359" "5608448" "5615265" "5617333" "5625715" "5629981" "5652795").PN. OR ("5663764" "5666293" "5703889" "5717814" "5732346" "5742680" "5742681" "5751280" "5751743" "5751813" "5754650" "5757417" "5757909" "5768539" "5796786" "5796829" "5796840" "5802176" "5805700"	US-PGPUB; USPAT; USOCR	AND	ON	2006/11/07 17:13
9/26/2007 4:37:26 PM		"5805712" "5805762" "5809147" "5815146" "5818934" "5825879" "5826018"				Page 6

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S78	225	S77 @ad<"20030512"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/11/07 17:13
S79	30	CableCARD ((conditional-access) or (conditional adj2 access) or CA) ((set-top adj2 box\$2) or (settop adj2 box\$2) or STB)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/11/07 17:13
S80	1	S79 @ad<"20030512"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/11/07 17:13
S81	30	CableCARD ((conditional-access) or (conditional adj2 access) or CA) ((set-top adj2 box\$2) or (settop adj2 box\$2) or STB)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/11/07 17:13
S82	202	((conditional-access) or (conditional adj2 access) or CA) ((set-top adj2 box\$2) or (settop adj2 box\$2) or STB) ((servic\$3 near3 provide\$4) or (Terrestria\$4 near4 broadcaste\$4) or (cabl\$3 near3 operato\$4) or (direc\$4 near4 broadcas\$4 near4 satellit\$3) or (digita\$3 near3 conten\$3 near4 provide\$4)) ((Encrypt\$5 or decrypt\$5) or (Encod\$5 or decod\$5) or (encipher\$5 or decipher\$5) or (scrambl\$5 or descramb\$5)) ((Field\$3 near3 Programmab\$4 near4 Gate\$3 near4 Array\$4) or FPGA or (Programmabl\$3 near4 Logic\$3 near Device\$3) or PLD)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/11/07 17:13
S83	122	S82 @ad<"20030512"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/11/07 17:13

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S84	0	((conditional-access) or (conditional adj2 access) or CA).ti. ((set-top adj2 box\$2) or (settop adj2 box\$2) or STB).ti. ((conditional-access) or (conditional adj2 access) or CA).ab. ((set-top adj2 box\$2) or (settop adj2 box\$2) or STB).ab. ((conditional-access) or (conditional adj2 access) or CA) ((set-top adj2 box\$2) or (settop adj2 box\$2) or STB) ((servic\$3 near3 provide\$4) or (Terrestria\$4 near4 broadcaste\$4) or (cabl\$3 near3 operato\$4) or (direc\$4 near4 broadcas\$4 near4 satellit\$3) or (digita\$3 near3 conten\$3 near4 provide\$4)) ((Encrypt\$5 or decrypt\$5) or (Encod\$5 or decod\$5) or (encipher\$5 or decipher\$5) or (scrambl\$5 or descramb\$5)) ((Field\$3 near3 Programmab\$4 near4 Gate\$3 near4 Array\$4) or FPGA or (Programmabl\$3 near4 Logic\$3 near Device\$3) or PLD)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/11/07 17:13
S85	8	((conditional-access) or (conditional adj2 access) or CA).ti. ((set-top adj2 box\$2) or (settop adj2 box\$2) or STB).ti. ((conditional-access) or (conditional adj2 access) or CA).ab. ((set-top adj2 box\$2) or (settop adj2 box\$2) or STB).ab.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/11/07 17:13
S86	115	S83 (((conditional-access) or (conditional adj2 access) or CA).ti. ((set-top adj2 box\$2) or (settop adj2 box\$2) or STB).ti.) or ((conditional-access) or (conditional adj2 access) or CA).ab. ((set-top adj2 box\$2) or (settop adj2 box\$2) or STB).ab.)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/11/07 17:13
S87	2329	PC CARD ((conditional-access) or (conditional adj2 access) or CA) ((set-top adj2 box\$2) or (settop adj2 box\$2) or STB)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/11/07 17:13
S88	647	((PC adj2 CARD\$2) or PCMCIA) ((conditional-access) or (conditional adj2 access) or CA) ((set-top adj2 box\$2) or (settop adj2 box\$2) or STB)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/11/07 17:13

EAST Search History

S89	22	((PC adj2 CARD\$2) or PCMCIA) ((conditional-access) or (conditional adj2 access) or CA) ((set-top adj2 box\$2) or (settop adj2 box\$2) or STB) ((servic\$3 near3 provide\$4) or (Terrestria\$4 near4 broadcaste\$4) or (cabl\$3 near3 operato\$4) or (direc\$4 near4 broadcas\$4 near4 satellit\$3) or (digita\$3 near3 conten\$3 near4 provide\$4)) ((Encrypt\$5 or decrypt\$5) or (Encod\$5 or decod\$5) or (encipher\$5 or decipher\$5) or (scrambl\$5 or descramb\$5)) ((Field\$3 near3 Programmab\$4 near4 Gate\$3 near4 Array\$4) or FPGA or (Programmabl\$3 near4 Logic\$3 near Device\$3) or PLD)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/11/07 17:13
S90	18	PCMCIA ((conditional-access) or (conditional adj2 access) or CA) ((set-top adj2 box\$2) or (settop adj2 box\$2) or STB) ((servic\$3 near3 provide\$4) or (Terrestria\$4 near4 broadcaste\$4) or (cabl\$3 near3 operato\$4) or (direc\$4 near4 broadcas\$4 near4 satellit\$3) or (digita\$3 near3 conten\$3 near4 provide\$4)) ((Encrypt\$5 or decrypt\$5) or (Encod\$5 or decod\$5) or (encipher\$5 or decipher\$5) or (scrambl\$5 or descramb\$5)) ((Field\$3 near3 Programmab\$4 near4 Gate\$3 near4 Array\$4) or FPGA or (Programmabl\$3 near4 Logic\$3 near Device\$3) or PLD)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/11/07 17:13
S91	11	S90 @ad<"20030512"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/11/07 17:13
S92	618	(PCMCIA or CableCARD\$3.ti. or CableCARD\$3.ab. or CableCARD\$3 or POD or (Point adj of adj Deployement)) ((conditional-access) or (conditional adj2 access) or CA) ((set-top adj2 box\$2) or (settop adj2 box\$2) or STB)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/11/07 17:13

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S93	41	(PCMCIA or CableCARD\$3.ti. or CableCARD\$3.ab. or CableCARD\$3 or POD or (Point adj of adj Deployement)) ((conditional-access) or (conditional adj2 access) or CA) ((set-top adj2 box\$2) or (settop adj2 box\$2) or STB)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	WITH	ON	2006/11/07 17:13
S94	17	S93 @ad<"20030512"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/11/07 17:13
S95	4	("5270828" "5305113" "5471450" "5715354").PN. OR ("6925180").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2006/11/07 17:13
S96	73	(PCMCIA or CableCARD\$3.ti. or CableCARD\$3.ab. or CableCARD\$3 or POD or (Point adj of adj Deployement)) ((conditional-access) or (conditional adj2 access) or CA) ((set-top adj2 box\$2) or (settop adj2 box\$2) or STB)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	SAME	ON	2006/11/07 17:13
S97	56	S96 not S94	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/11/07 17:13
S98	11	S97 @ad<"20030512"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/11/07 17:13
S99	618	(PCMCIA or CableCARD\$3.ti. or CableCARD\$3.ab. or CableCARD\$3 or POD or (Point adj of adj Deployement)) ((conditional-access) or (conditional adj2 access) or CA) ((set-top adj2 box\$2) or (settop adj2 box\$2) or STB)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/11/07 17:13
S100	545	S99 not (S94 or S97)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/11/07 17:13

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S10 1	330	S100 @ad<"20030512"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/11/07 17:13
S10 2	27	(US-20030021412-\$ or US-20030106067-\$ or US-20030059047-\$ or US-20020076050-\$ or US-20030212895-\$ or US-20030172034-\$ or US-20020146125-\$ or US-20010011375-\$ or US-20040221302-\$ or US-20040019913-\$ or US-20020157115-\$ or US-20020059642-\$).did. or (US-5870474-\$ or US-7024683-\$ or US-6640305-\$ or US-6289455-\$ or US-6040851-\$ or US-6154206-\$ or US-6757909-\$ or US-6668326-\$ or US-6637027-\$ or US-6628891-\$ or US-6963590-\$).did. or (WO-9937094-\$).did. or (US-20030059047-\$ or WO-200137562-\$ or EP-1217835-\$ or WO-200180473-\$).did.	US-PGPUB; USPAT; EPO; DERWENT	AND	ON	2006/11/07 17:13
S10 3	27	S102 @ad<"20030512"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/11/07 17:13
S10 4	14	(US-20040221302-\$ or US-20040019913-\$ or US-20030212895-\$ or US-20030172034-\$ or US-20030059047-\$ or US-20020157115-\$ or US-20020146125-\$ or US-20020059642-\$).did. or (US-7024683-\$ or US-6628891-\$ or US-6637027-\$ or US-5870474-\$ or US-6289455-\$ or US-6040851-\$). did. or (US-20030059047-\$).did.	US-PGPUB; USPAT; DERWENT	AND	ON	2006/11/07 17:13
S10 5	3	((#4conditional near2 \$4access\$4) provider (\$4Plural\$4 or \$4Multipl\$4 or \$4Several\$4) First\$4 Second\$4 (\$4crypt\$5 or \$4cipher\$5 or \$4scrambl\$5)) and (CA or CAS or CAM or CableCARD or DCAS)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	WITH	ON	2007/09/25 19:35

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S10 6	3	(((\$4conditional near2 \$4access\$4) provider (\$4Plural\$4 or \$4Multipl\$4 or \$4Several\$4) First\$4 Second\$4 (\$4crypt\$5 or \$4cipher\$5 or \$4scrambl\$5)) and (CA or CAS or CAM or CableCARD or DCAS))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	WITH	ON	2007/09/25 19:38
S10 7	1	S106 @ad<"20030512"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/09/25 19:39
S10 8	15	(US-20030059047-\$ or US-20040221302-\$ or US-20040019913-\$ or US-20030212895-\$ or US-20030172034-\$ or US-20020157115-\$ or US-20020146125-\$ or US-20020059642-\$).did. or (US-7024683-\$ or US-6289455-\$ or US-6040851-\$ or US-6637027-\$ or US-6628891-\$ or US-5870474-\$). did. or (US-20030059047-\$).did.	US-PGPUB; USPAT; DERWENT	AND	ON	2007/09/25 19:37
S10 9	1	(((\$4conditional near2 \$4access\$4) provider (\$4Plural\$4 or \$4Multipl\$4 or \$4Several\$4) First\$4 Second\$4 (\$4crypt\$5 or \$4cipher\$5 or \$4scrambl\$5) (core\$4 near3 logic\$4)) and (CA or CAS or CAM or CableCARD or DCAS))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	SAME	ON	2007/09/25 19:39
S11 0	0	S109 @ad<"20030512"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/09/25 19:39
S11 1	4	(((\$4conditional near2 \$4access\$4) provider (\$4Plural\$4 or \$4Multipl\$4 or \$4Several\$4) First\$4 Second\$4 (\$4crypt\$5 or \$4cipher\$5 or \$4scrambl\$5) (core\$4 near3 logic\$4)) and (CA or CAS or CAM or CableCARD or DCAS))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/09/25 19:42
S11 2	0	S111 @ad<"20030512"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/09/25 19:43

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S11 3	25	((4conditional near2 \$4access\$4) provider (\$4Plural\$4 or \$4Multipl\$4 or \$4Several\$4) First\$4 Second\$4 (\$4crypt\$5 or \$4cipher\$5 or \$4scrambl\$5) (core\$4 with logic\$4)) and (CA or CAS or CAM or CableCARD or DCAS)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/09/25 19:52
S11 4	19	S113 @ad<"20030512"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/09/25 19:59
S11 5	1	((First\$4 or primary) with \$4conditional with \$4access\$4 with provider) (Second\$4 with \$4conditional with \$4access\$4 with provider) ((4Plural\$4 or \$4Multipl\$4 or \$4Several\$4)with \$4conditional with \$4access\$4 with provider) (\$4crypt\$5 or \$4cipher\$5 or \$4scrambl\$5) (core\$4 with logic\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/09/25 20:27
S11 6	0	S115 @ad<"20030512"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/09/25 20:28
S11 7	1	((First\$4 or primary) with \$4conditional with \$4access\$4 with provider) (Second\$4 with \$4conditional with \$4access\$4 with provider) ((4Plural\$4 or \$4Multipl\$4 or \$4Several\$4)with \$4conditional with \$4access\$4 with provider) (\$4crypt\$5 or \$4cipher\$5 or \$4scrambl\$5) (core\$4 with logic\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/09/25 20:35
S11 8	0	S117 @ad<"20030512"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/09/25 20:36

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S11 9	3	((First\$4 or primary) with \$4conditional with \$4access\$4 with provider) (Second\$4 with \$4conditional with \$4access\$4 with provider) ((4Plural\$4 or \$4Multipl\$4 or \$4Several\$4)with \$4conditional with \$4access\$4 with provider) (\$4crypt\$5 or \$4cipher\$5 or \$4scrambl\$5)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	WITH	ON	2007/09/25 20:39
S12 0	1	S119 @ad<"20030512"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/09/25 20:41
S12 1	16	(US-20030059047-\$ or US-20040221302-\$ or US-20040019913-\$ or US-20030212895-\$ or US-20030172034-\$ or US-20020157115-\$ or US-20020146125-\$ or US-20020059642-\$).did. or (US-7024683-\$ or US-6289455-\$ or US-6040851-\$ or US-6637027-\$ or US-6628891-\$ or US-5870474-\$ or US-6898285-\$).did. or (US-20030059047-\$).did.	US-PGPUB; USPAT; DERWENT	AND	ON	2007/09/25 20:37
S12 2	12	((First\$4 or primary) with \$4conditional with \$4access\$4 with provider) (Second\$4 with \$4conditional with \$4access\$4 with provider) ((4Plural\$4 or \$4Multipl\$4 or \$4Several\$4)with \$4conditional with \$4access\$4 with provider) (\$4crypt\$5 or \$4cipher\$5 or \$4scrambl\$5)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/09/25 20:39
S12 3	21	((First\$4 or primary) with ((4conditional near3 \$4access\$4) or CAS\$1 or CAM\$1 or CableCARD or DCAS\$1) with provider) (Second\$4 with ((4conditional near3 \$4access\$4) or CAS\$1 or CAM\$1 or CableCARD or DCAS\$1) with provider) ((4Plural\$4 or \$4Multipl\$4 or \$4Several\$4)with ((4conditional near3 \$4access\$4) or CAS\$1 or CAM\$1 or CableCARD or DCAS\$1) with provider) (\$4crypt\$5 or \$4cipher\$5 or \$4scrambl\$5)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/09/25 21:07

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S12 4	12	S123 @ad<"20030512"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/09/25 21:01
S12 5	9	(US-20030196113-\$ or US-20030026423-\$ or US-20020146125-\$).did. or (US-6898285-\$ or US-6637027-\$ or US-6115821-\$ or US-6108422-\$ or US-6091818-\$ or US-5796829-\$). did.	US-PGPUB; USPAT	AND	ON	2007/09/25 21:01
S12 6	9	S125 @ad<"20030512"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/09/25 21:07
S12 7	14	("5796829" "5802063" "5805705" "5872588" "5875396" "5944794" "6028933" "6105134" "6157719" "6229895" "6415031" "6577621" "6590981").PN. OR ("6898285"). URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2007/09/25 21:01
S12 8	20	("5016272" "5751335" "5828402" "5862324" "5884284" "5973683" "6006264" "6055315" "6157377" "6370580" "6424717" "6434562").PN. OR ("6637027").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2007/09/25 21:02
S12 9	2	("2003/0196113").URPN.	USPAT	AND	ON	2007/09/25 21:02
S13 0	15	("2003/0026423").URPN.	USPAT	AND	ON	2007/09/25 21:02
S13 1	2	("2002/0146125").URPN.	USPAT	AND	ON	2007/09/25 21:02
S13 2	29	("4484025" "4613901" "4712238" "4885775" "5111504" "5138659" "5144662" "5144664" "5191611" "5291554" "5321750" "5491748" "5497420" "5539822" "5652795" "5661799" "5694472" "5715515" "5930471").PN. OR ("6115821"). URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2007/09/25 21:02

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S13 3	24	("4484025" "4613901" "4712238" "5111504" "5138659" "5144662" "5144664" "5191611" "5291554" "5321750" "5491748" "5652795" "5796829").PN. OR ("6108422"). URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2007/09/25 21:03
S13 4	5	("5191611" "5703951" "5721781").PN. OR ("6091818"). URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2007/09/25 21:03
S13 5	5	("5191611" "5703951" "5721781").PN. OR ("6091818"). URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2007/09/25 21:03
S13 6	43	("4484025" "4712238" "5138659" "5144662" "5191611" "5291554" "5491748" "5652795").PN. OR ("5796829"). URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2007/09/25 21:03
S13 7	94	S127 S128 S129 S130 S131 S133 S134 S135 S136	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/25 21:04
S13 8	88	S137 @ad<"20030512"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/09/25 21:09
S13 9	446	((First\$4 or primary) same ((4conditional near3 \$4access\$4) or CAS\$1 or CAM\$1 or CableCARD or DCAS\$1) same provider) (Second\$4 same ((4conditional near3 \$4access\$4) or CAS\$1 or CAM\$1 or CableCARD or DCAS\$1) same provider) ((4Plural\$4 or 4Multipl\$4 or 4Several\$4) same ((4conditional near3 \$4access\$4) or CAS\$1 or CAM\$1 or CableCARD or DCAS\$1) same provider) (\$4crypt\$5 or \$4cipher\$5 or \$4scrambl\$5)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/09/25 21:12
S14 0	8	S138 S139	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/09/25 21:09

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S14 1	8	S140 @ad<"20030512"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/09/25 21:14
S14 2	42	((First\$4 or primary) same ((4conditional near3 \$4access\$4) or CAS\$1 or CAM\$1 or CableCARD or DCAS\$1) same provider) (Second\$4 same ((4conditional near3 \$4access\$4) or CAS\$1 or CAM\$1 or CableCARD or DCAS\$1) same provider) ((4Plural\$4 or \$4Multipl\$4 or \$4Several\$4) same ((4conditional near3 \$4access\$4) or CAS\$1 or CAM\$1 or CableCARD or DCAS\$1) same provider) (\$4crypt\$5 or \$4cipher\$5 or \$4scrambl\$5)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	SAME	ON	2007/09/25 21:22
S14 3	21	S142 @ad<"20030512"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/09/25 21:23
S14 4	2	"6289455".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/09/25 21:18
S14 5	3	"20030212895"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/09/25 21:18
S14 6	6	((First\$4 or primary) with ((4conditional near3 \$4access\$4) or CAS\$1 or CAM\$1 or CableCARD or DCAS\$1) with provider) (Second\$4 with ((4conditional near3 \$4access\$4) or CAS\$1 or CAM\$1 or CableCARD or DCAS\$1) with provider) ((4Plural\$4 or \$4Multipl\$4 or \$4Several\$4) with ((4conditional near3 \$4access\$4) or CAS\$1 or CAM\$1 or CableCARD or DCAS\$1) with provider) (\$4crypt\$5 or \$4cipher\$5 or \$4scrambl\$5)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	SAME	ON	2007/09/25 21:31

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S14 7	4	S146 @ad<"20030512"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/09/25 21:32
S14 8	27	((First\$4 or primary) with ((4conditional near3 \$4access\$4) or CAS\$1 or CAM\$1 or CableCARD or DCAS\$1) with provider) (Second\$4 with ((4conditional near3 \$4access\$4) or CAS\$1 or CAM\$1 or CableCARD or DCAS\$1) with provider) (\$4crypt\$5 or \$4cipher\$5 or \$4scrambl\$5)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	SAME	ON	2007/09/25 21:46
S14 9	19	S148 @ad<"20030512"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/09/25 21:51
S15 0	179	((First\$4 or primary) ((4conditional near3 \$4access\$4) or CAS\$1 or CAM\$1 or CableCARD or DCAS\$1) provider) (Second\$4 ((4conditional near3 \$4access\$4) or CAS\$1 or CAM\$1 or CableCARD or DCAS\$1) provider) (\$4crypt\$5 or \$4cipher\$5 or \$4scrambl\$5)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	SAME	ON	2007/09/25 21:47
S15 1	17	((4conditional near3 \$4access\$4) or CAS\$1 or CAM\$1 or CableCARD or DCAS\$1).ti. ((4conditional near3 \$4access\$4) or CAS\$1 or CAM\$1 or CableCARD or DCAS\$1).ab. ((First\$4 or primary) same ((4conditional near3 \$4access\$4) or CAS\$1 or CAM\$1 or CableCARD or DCAS\$1) same provider) same (Second\$4 same((4conditional near3 \$4access\$4) or CAS\$1 or CAM\$1 or CableCARD or DCAS\$1) same provider) same (\$4crypt\$5 or \$4cipher\$5 or \$4scrambl\$5))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/09/25 21:52
S15 2	15	S151 @ad<"20030512"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/09/25 21:53

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S15 3	32	(((\$4conditional near3 \$4access\$4) or CAS\$1 or CAM\$1 or CableCARD or DCAS\$1).ti. or ((\$4conditional near3 \$4access\$4) or CAS\$1 or CAM\$1 or CableCARD or DCAS\$1).ab.) (((First\$4 or primary) same ((\$4conditional near3 \$4access\$4) or CAS\$1 or CAM\$1 or CableCARD or DCAS\$1) same provider) same (Second\$4 same(((\$4conditional near3 \$4access\$4) or CAS\$1 or CAM\$1 or CableCARD or DCAS\$1) same provider) same (\$4crypt\$5 or \$4cipher\$5 or \$4scrambl\$5))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/09/25 22:46
S15 4	23	S153 @ad<"20030512"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/09/25 22:09
S15 5	9	(US-20030196113-\$ or US-20030026423-\$ or US-20020146125-\$).did. or (US-6898285-\$ or US-6637027-\$ or US-6115821-\$ or US-6108422-\$ or US-6091818-\$ or US-5796829-\$). did.	US-PGPUB; USPAT	AND	ON	2007/09/25 22:00
S15 6	9	S155 @ad<"20030512"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/09/25 22:00
S15 7	15	(US-20030059047-\$ or US-20040221302-\$ or US-20040019913-\$ or US-20030212895-\$ or US-20030172034-\$ or US-20020157115-\$ or US-20020146125-\$ or US-20020059642-\$).did. or (US-7024683-\$ or US-6289455-\$ or US-6040851-\$ or US-6637027-\$ or US-6628891-\$ or US-5870474-\$). did. or (US-20030059047-\$).did.	US-PGPUB; USPAT; DERWENT	AND	ON	2007/09/25 22:01

EAST Search History

S15 8	18	(US-20030196113-\$ or US-20030026423-\$ or US-20020146125-\$ or US-20020059642-\$ or US-20020157115-\$ or US-20030059047-\$ or US-20030172034-\$ or US-20030212895-\$ or US-20040221302-\$).did. or (US-6898285-\$ or US-6637027-\$ or US-6115821-\$ or US-6108422-\$ or US-6091818-\$ or US-5796829-\$ or US-6040851-\$ or US-6289455-\$ or US-6628891-\$).did.	US-PGPUB; USPAT	AND	ON	2007/09/25 22:09
S15 9	18	S158 @ad<"20030512"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/09/25 22:43
S16 0	9	S159 (((First\$4 or primary) with((#\$4conditional near3 \$4access\$4) or CAS\$1 or CAM\$1 or CableCARD or DCAS\$1) with provider) (Second\$4 with((#\$4conditional near3 \$4access\$4) or CAS\$1 or CAM\$1 or CableCARD or DCAS\$1) with provider) (\$4crypt\$5 or \$4cipher\$5 or \$4scrambl\$5))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/09/25 22:27
S16 1	7	S159 (((First\$4 or primary) with((#\$4conditional near3 \$4access\$4) or CAS\$1 or CAM\$1 or CableCARD or DCAS\$1) with provider) same (Second\$4 with((#\$4conditional near3 \$4access\$4) or CAS\$1 or CAM\$1 or CableCARD or DCAS\$1) with provider) same (\$4crypt\$5 or \$4cipher\$5 or \$4scrambl\$5))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/09/25 22:39
S16 2	327	(((First\$4 or primary) with((#\$4conditional near3 \$4access\$4) or CAS\$1 or CAM\$1 or CableCARD or DCAS\$1) with provider) (Second\$4 with((#\$4conditional near3 \$4access\$4) or CAS\$1 or CAM\$1 or CableCARD or DCAS\$1) with provider))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	SAME	ON	2007/09/25 22:40

EAST Search History

S16 3	306	(((First\$4 or primary) with ((4conditional near3 \$4access\$4) or CAS\$1 or CAM\$1 or CableCARD or DCAS\$1) with provider) with (Second\$4 with((4conditional near3 \$4access\$4) or CAS\$1 or CAM\$1 or CableCARD or DCAS\$1) with provider))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/09/25 23:02
S16 4	1	(((First\$4 or primary) with ((4conditional near3 \$4access\$4) or CAS\$1 or CAM\$1 or CableCARD or DCAS\$1) with provider) with (Second\$4 with((4conditional near3 \$4access\$4) or CAS\$1 or CAM\$1 or CableCARD or DCAS\$1) with provider) with (core\$4 with logic\$4))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/09/25 22:43
S16 5	0	S164 @ad<"20030512"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/09/25 22:44
S16 6	1	(((First\$4 or primary) with ((4conditional near3 \$4access\$4) or CAS\$1 or CAM\$1 or CableCARD or DCAS\$1) with provider) same (Second\$4 with((4conditional near3 \$4access\$4) or CAS\$1 or CAM\$1 or CableCARD or DCAS\$1) with provider) same (core\$4 with logic\$4))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/09/25 22:45
S16 7	0	S166 @ad<"20030512"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/09/25 22:47
S16 8	306	(((First\$4 or primary) with ((4conditional near3 \$4access\$4) or CAS\$1 or CAM\$1 or CableCARD or DCAS\$1) with provider) with (Second\$4 with((4conditional near3 \$4access\$4) or CAS\$1 or CAM\$1 or CableCARD or DCAS\$1) with provider))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/09/25 22:45
S16 9	62	(((4conditional near3 \$4access\$4) or CAS\$1 or CAM\$1 or CableCARD or DCAS\$1).ti. or ((4conditional near3 \$4access\$4) or CAS\$1 or CAM\$1 or CableCARD or DCAS\$1). ab.) S168	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/09/25 22:46

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S17 0	12	(((\$4conditional near3 \$4access\$4) or CAS\$1 or CAM\$1 or CableCARD or DCAS\$1).ti. and ((\$4conditional near3 \$4access\$4) or CAS\$1 or CAM\$1 or CableCARD or DCAS\$1).ab.) S168	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/09/25 22:46
S17 1	10	S170 @ad<"20030512"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/09/25 23:02
S17 2	2	(((First\$4 or primary) with ((\$4conditional near3 \$4access\$4) or CAS\$1 or CAM\$1 or CableCARD or DCAS\$1) with provider) with (Second\$4 with(((\$4conditional near3 \$4access\$4) or CAS\$1 or CAM\$1 or CableCARD or DCAS\$1) with provider)).ti.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/09/25 23:03
S17 3	2	S172 @ad<"20030512"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/09/25 23:03
S17 4	24	(((First\$4 or primary) with ((\$4conditional near3 \$4access\$4) or CAS\$1 or CAM\$1 or CableCARD or DCAS\$1) with provider) with (Second\$4 with(((\$4conditional near3 \$4access\$4) or CAS\$1 or CAM\$1 or CableCARD or DCAS\$1) with provider)).ab.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/09/25 23:06
S17 5	18	S174 @ad<"20030512"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/09/25 23:06
S17 6	25	(((First\$4 or primary) with ((\$4conditional near3 \$4access\$4) or CAS\$1 or CAM\$1 or CableCARD or DCAS\$1) with provider) (Second\$4 with(((\$4conditional near3 \$4access\$4) or CAS\$1 or CAM\$1 or CableCARD or DCAS\$1) with provider)).ab.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/09/25 23:06

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S17 7	1	S176 not S174	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/09/25 23:06
S17 8	17	(US-20030196113-\$ or US-20030026423-\$ or US-20020146125-\$ or US-20020059642-\$ or US-20020157115-\$ or US-20030059047-\$ or US-20030172034-\$ or US-20030212895-\$ or US-20040221302-\$).did. or (US-6898285-\$ or US-6637027-\$ or US-6108422-\$ or US-6091818-\$ or US-5796829-\$ or US-6040851-\$ or US-6289455-\$ or US-6628891-\$). did.	US-PGPUB; USPAT	AND	ON	2007/09/26 11:14
S17 9	2	"20030059047"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/09/26 12:00
S18 0	1	10/815484	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/09/26 12:42
S18 1	17	(US-20030196113-\$ or US-20030026423-\$ or US-20020146125-\$ or US-20020059642-\$ or US-20020157115-\$ or US-20030059047-\$ or US-20030172034-\$ or US-20030212895-\$ or US-20040221302-\$).did. or (US-6898285-\$ or US-6637027-\$ or US-6108422-\$ or US-6091818-\$ or US-5796829-\$ or US-6040851-\$ or US-6289455-\$ or US-6628891-\$). did.	US-PGPUB; USPAT	AND	ON	2007/09/26 14:35